IEEE P802.11  
Wireless LANs

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| LB276 CR for Mandatory SBP CIDs | | | | |
| Date: 2023-11-16 | | | | |
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# CIDs:

Abstract

This document aims to resolve the following LB276 CIDs: 3355, 3357, 3370, 3410, 3465, 3466.

R0: Initial Version.

R1: Updated the rejection reason text.

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| **CID** | **Page** | **Comment** | **Proposed Change** |
| 3355 | 160.17 | To help enable non-AP STA side use cases better, a basic subset of currently defined SBP procedure should be included in the mandatory sensing feature set. | Decide on a basic set of requirements e.g. when a parameter set is provided by the SBP initiator including a list of responders and no OTA report is needed, called basic SBP. Basic SBP shall be supported if dot11SensingImplemented is true and is included in the extended capabilities element. |
| 3357 | 160.17 | To make 11bf sensing more attractive and flexible, SBP (or a simplified version of SBP) should be a mandatory feature. | SBP (or a simplified version) shall be supported if dot11SensingImplemented is true. |
| 3370 | 143.40 | The standard should allow a mandatory feature for a non-AP STA to request a TB session to be setup. | Allow a STA to initiate a TB sensing session setup with the AP |
| 3410 | 160.17 | To reliably enable non-AP STA side use cases, a subset of SBP should be mandatory for AP STAs that have dot11SensingImplemented set as true. | Define a basic set of SBP features where the SBP initiator provides all parameters to the SBP responder and where the SBP responder does not have to provide reports and make this feature mandatory for AP STAs that have dot11SensingImplemented set as true. |
| 3465 | 143.40 | Given the over-the-air efficiency and channel access benefits of TB sensing and the fact that TB sensing cannot be initiated by a non-AP STA, the standard should allow a mandatory feature for a non-AP STA to request a TB session to be setup. | Allow a STA to initiate a TB sensing session setup with the AP. Note that the STA doesn't need to send trigger frames. The AP still is the only node sending the trigger frames. This would allow STA side use cases to take advantage of trigger based sensing. |
| 3466 | 160.17 | A basic subset of currently defined SBP procedure should be included in the mandatory sensing feature set. This will help enable non-AP STA side use cases better. | Decide on a basic set of requirements e.g. when a parameter set is provided by the SBP initiator including a list of responders and no OTA report is needed, called basic SBP. Basic SBP shall be supported if dot11SensingImplemented is true. Add Basic SBP to the extended capabilities element. |

**Discussion:**

Multiple CIDs related to ‘making SBP a mandatory feature’ and ‘STA-initiated TB sensing’ have been discussed during resolution phase of LB272 (see documents 11-23/0748r2 and 11-23/0553r3). At this time, no consensus to include these features could be achieved and the comments were rejected.

During resolution phase of LB276, a new proposal that addressed all above comments has been presented to the group (see document 11-23/2056r0). Still, the group could not reach a consensus on adding any such feature or mandatory capability to the 802.11bf draft. Consequently, all comments listed above are rejected due to lack of technical consensus.

**Proposed resolution**:

Rejected. The TG could not reach consensus on the changes necessary to address these comments. Current discussion on this topic can be found in 11-23/2056r0.

**SP:** Do you agree to the resolutions provided in the document 11-23/2082r1for the following CIDs: 3355, 3357, 3370, 3410, 3465, 3466?